

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Name: Firefree 88®
Classification: Latex Intumescent Fire Resistant, Retardant Paint
CAS No: Not applicable, product is a mixture and all ingredients are proprietary trade secret.

Firefree Coatings, Inc.
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San Rafael, CA 94901
www.firefree.com
415-459-6488 Customer information Number

Emergency Contact:
(800) 424-9300 (Chemtree USA)
(703) 527-3887 (Chemtree Intl)

SECTION 2 – HAZARD (S) IDENTIFICATION

None.

This product contains pigments and other solids necessary to formulate an intumescent fire retardant paint. Due to the anticipated surface coating thickness, it is unlikely that excessive exposures would occur. Work practices designed to subdue dust during paint removal, such as wet methods, would be prudent. Application of wet paint would not present a health or hazard conditions. Spray application in confined areas may require special controls and use of personal protective equipment. An in can preservative has been added at levels not considered hazardous. This product contains low volatile organic compounds (VOCs) and presents no fire or explosion hazards. Personal protective clothing is recommended.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

PROPRIETARY FORMULATION (non-hazardous)

SECTION 4 – FIRST AID MEASURES

- General information: No special measures required, however, the use of goggles, gloves and long sleeve clothing and head covering may be recommended to avoid irritation and inhalation.
- After inhalation: Remove to fresh air; consult a physician in case of complaints.
- After skin contact: Wash with soap and water as a precaution. If skin irritation develops, call a physician.
- After eye contact: Flush with water for at least 15 minutes. If eye irritation persist consult a physician.
- After swallowing: Drink 1 or 2 glasses of water. DO NOT induce vomiting. Consult a physician. Never give anything by mouth to an unconscious person.

SECTION 5 – FIRE FIGHTING MEASURES

- Suitable extinguishing agents: Use extinguishing media appropriate for surrounding fire.
- CO2 powder or water spray: Fight larger fires with water or alcohol resistant foam.
- Protective equipment: No special measures required.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Person-related safety precautions: Not required.
- Measures for environmental protection: Do not allow to enter sewers/surface or ground water.
- Measures for cleaning/collection: Pick up mechanically.
- Additional information: No dangerous substances are released.

SECTION 7 – HANDLING & STORAGE

- Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Information for safe handling: No special measures required.
- Information about fire and explosion protection: No special measures required.
- Storage conditions: Keep from freezing—product stability may be affected. STIR WELL BEFORE USE.
- Storage temperature: 50°F – 85°F
- Requirements to be met storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required
- Further information about storage conditions: Store in a cool place away from direct sunlight.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

- Ingredients with limit values require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be mentioned at the work place.
- Additional information: The list valid during the making were used as basis.
- Personal precautions: Use personal protective equipment. Keep people away and upwind of spill/leak. Material can create slippery conditions.
- General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Wash hands before eating.
- Respiratory protection: Not required, however, make sure plenty of ventilation is allowed. Lack of adequate ventilation may result in airborne levels of vinyl acetate above established exposure limits in the workplace. Monitoring the workplace to determine actual vinyl acetate level is recommended. A respiratory protection program meeting OSHA 1910.134 and ANSI 288.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirators' use.
A dust particulate respirator approved by NIOSH should be worn when sanding or spraying.
- Product handling: Protective gloves are recommended for prolonged contact exposure
- Eye protection: Safety goggles or side shield spectacles.
- Respiratory Type: Optional disposal respirator. Half-mask air purifying respirator equipped with high efficiency particulate air (HEPA) filter cartridge. Full face piece air purifying respirator equipped with high efficiency particulate air.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	White
Odor:	Minimum
Ph Range:	8 – 9

Boiling point	100°C/212°F
Flash point:	>121°C/250°F
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Vapor density:	Neutral
Relative vapor density:	Water
Relative density:	1.293 ± 0.001
Viscosity Range:	110-120
VOC content:	36 grams/liter
Weight per gallon:	10.64 lbs
Evaporation rate:	same as water
Percent volatility:	48 to 50%.
Water solubility:	miscible with water

SECTION 10 – STABILITY & REACTIVITY

Hazardous reactions:	None known. Stable
Hazardous polymerization:	Will not occur
Hazardous decomposition:	Will not occur
Materials to avoid:	There are no known materials which are incompatible with this product.
Conditions to avoid:	Keep from freezing.

SECTION 11 – TOXICOLOGICAL INFORMATION

Summary of risks: NONE

Manufacturer certifies that all chemical ingredients in this product comply with all applicable rules or orders under TSCA and that we are not offering a chemical substance for entry in violation of TSCA or any applicable rule or order thereunder.

This product does not contain any components which may contribute to significant, immediate health, physical, or environmental hazards.

SECTION 12 – ECOLOGICAL INFORMATION

There is no data available for this product.

SECTION 13 – DISPOSAL CONSIDERATIONS

Environmental precautions:	No data available
Disposal methods:	Disposal should be in accordance with local, state or national legislation.
Waste method:	This product does not exhibit any characteristics of a hazardous waste.

SECTION 14 – TRANSPORT INFORMATION

Classification for ROAD and Rail Transport (ADR/RID):	Not regulated (not dangerous for transport)
Classification for SEA transport (INO-IMDG):	regulated (not dangerous for transport)
Classification for AIR transport (IATA/ICAO):	Not regulated (not dangerous for transport)
Class:	55

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classification may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material

SECTION 15 – REGULATORY INFORMATION

Label: Observe the general safety regulations when handling chemicals. The substance is not subject to classification regulations according to US lists and other sources of literature known to us.

Hazard symbol and indication of danger: None.

SARA Title III: This product does not contain reportable quantities of substances listed under SARA Title III sections 302, 304 and 313.

CERCLA Substances: None.

EINECS: This product satisfies all the requirements of the European Inventory of Existing Chemical Substances.

TSCA: All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

NICNAS: All components of this product are in compliance with the AICS listing.

RoHS: This product satisfies and is in compliance with RoHS (Restriction of Use of Hazardous Substances) directive.

CEPA: All components meet the protecting of the environment and human health under Canadian Environmental Protection Act (CEPA).

Dangerous

Components: None

SECTION 16 – OTHER INFORMATION

American Coatings Association, HMIS® RATINGS:

Health	0	Not significant health hazard
Flammability	0	Non-flammable
Physical Hazard	0	Not significant
Personal Protection		Wear safety glasses and disposable gloves

LEGEND:

ANSI:	American National Standards Institute
CAS:	Chemical Abstracts Service
DOT:	Department of Transportation
EINECS:	European Inventory of Existing Commercial Chemical Substances
HEPA:	High Efficiency Particulate Arrestance
MSHA:	Mine Safety and Health Administration
NICNAS:	National Industrial Chemicals Notification and Assessment Scheme
NIOSH:	National Institute for Occupational Safety and Health
OSHA:	Occupational Safety and Health Administration
SARA:	Superfund Amendments and Reauthorization Act
TSCA:	Toxic Substance Control Act
CERCLA:	Comprehensive Environmental Response, Compensation and Liability Act
HMIS:	Hazardous Material Identification System

Reasonable care has been taken in the preparation of the information contained in this document. Firefree Coatings, Inc., intends no warranties, makes no representation and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use. Customers are encouraged to conduct their own tests. For additional technical information contact Firefree Coatings, Inc.

For non-emergency information contact: (888) 990-3388